VA Kidney Native iPhone App - Implement Client Feedback Challenge - Deployment Guide

Revision History

Author	Revision Number	Date
TCCODER	1.0	Dec 25, 2017
TCCODER	1.1	Feb 04, 2018
TCCODER	1.2	Mar 04, 2018
TCCODER	1.3	Apr 01, 2018
TCCODER	1.4	May 26, 2018

Deployment Instructions

1. Deployment Dependencies

Before performing a deployment, it is assumed that the following have been set up:

- Xcode 9.3.1+
- OS X 10.12.6 or above
- iOS SDK 11 or above
- iPhone device or simulator with iOS 10+

2. Organization of Submission

- *src* – this directory contains the source code
- *src/VAKidneyNutrition.xcworkspace* – Xcode workspace to open.
- *docs* – this directory contains the documents for this application, including this deployment guide

3. 3rd party Libraries

SwiftyJSON - https://github.com/SwiftyJSON/SwiftyJSON
SwiftyJSON makes it easy to deal with JSON data in Swift. Version: 4.0.0

Charts - https://github.com/danielgindi/Charts
Version: 3.0.5

All libraries are configured in *src/Podfile*

4. Configuration

4.1. VAKidneyNutrition/Supporting Files/configuration.plist

You can access *configuration.plist* in Xcode in *VAKidneyNutrition.xcodeproj* project - *Supporing Files/configuration.plist*

configuration.plist file provides the following options:

- **ndbApiBaseUrl** - NDB base URL for API (see USDA nutrient database)
- **ndbApiKey** - NDB API key (see USDA nutrient database)
- **fdaApiBaseUrl** - FDA base URL for API (see FDA Drug Interaction and Product Labeling Database)
- **fdaApiKey** - FDA API key (see FDA Drug Interaction and Product Labeling Database)

4.2. Sample data

Sample data (used to fill the prototype with data) are stored in JSON files in *VAKidneyNutrition/Supporting Files/Sample Data/* group.
`measurements.json` file added and define required measurements.

5. Deployment Instructions

5.2. Build and run the app in a simulator or on a real device

Pods directory should be pulled using the following command runned from `src` directory:

```
$ pod install
```

To build and run the app in a simulator or on a real device you will need to do the following:

1. Open *src/VAKidneyNutrition.xcworkspace* in Xcode
2. Select *VAKidneyNutrition* scheme from the top left drop down list.
3. Select a real iPhone (when connected) or a simulator from the top left dropdown list.
4. Click menu Product -> Run (Cmd+R)
5. Follow the verification steps in 7. Verification

6. Verification

Follow the challenge description, forum messages and list of issues to verify the app. See some notes below. Also you can follow the video (how to launch the server and verify the screens) - https://youtu.be/-KrDPb-QzwQ .

Notes
- You must remove previously installed app on your device/simulator.
- Follow video to verify the fixed issues
- https://github.com/topcoderinc/va-kidney-ios/issues/24
  - The line style is changed to .horizontalBezier because with .cubicBezier one can enter values that will result in curve going beyond the minimum or maximum values (even if extra padding is added to the chart). The only option to have curved line in the given scopes is to apply .horizontalBezier mode to the line.
  - The date was incorrectly converted to month names. Now fixed.
  - After the date conversion fix the month is always displayed. In the example provided in the ticket user entered value for 12/31/2017, but that date was converted to Jan 2018. Now fixed. Enter a few values for 1 Jan 2018, 23 Mar 2018, 1 Apr 2018 and 31 Dec 2017 and verify.
  - Duplicated months are also related to the mentioned above issue. Also fixed.
- Issue fixed in "Add New Meal" -> "Add Food Item" form. If user selects unit, then tries to change it the selected item does not correspond to earlier selected unit (it always first item - "g"). Now fixed.
- Issue fixed in "Add New Meal" -> "Add Food Item" form. When integer value is added it was shown with floating point, e.g. 1 -> "1.0". Now fixed. It's shown as integer if value is integer.
- New option in *FoodIntakeViewController.swift*:
  ```
  /// option: true - will filter food by current date by default
  ```

and will disable date reset, false - will show all food and will enable date reset
```
let OPTION_FOOD_FILTER_CURRENT_DATE_BY_DEFAULT = false
```
- New option in *CachingServiceApi.swift*:
```
/// option: true - will show weight measurement warning for
patients who are not on dialysis only, false - will always show
that warning.
let OPTION_SHOW_CHART_INFO_FOR_NOT_IN_DIALYSIS_PATIENTS = false
```
- Issue fixed - samples were saved with current date, not the selected in the form. Fixed.

7. Resource Contact List

Name	Resource Email
TCCODER	Through TopCoder Member Contact